

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/533,520
Source: IFwp
Date Processed by STIC: 7/5/06

ENTERED



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,520

DATE: 07/05/2006
TIME: 14:01:47

Input Set : F:\P1994R1.txt
Output Set: N:\CRF4\07052006\J533520.raw

3 <110> APPLICANT: GENENTECH, INC.
 4 CLARK, HILARY
 5 HUNTE, BRISDELL
 6 JACKMAN, JANET
 7 SCHOENFELD, JILL
 8 WILLIAMS, P. MICKEY
 9 WOOD, WILLIAM I.
 10 WU, THOMAS D.
 11 BODARY, SARAH
 13 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
 14 RELATED DISEASES
 16 <130> FILE REFERENCE: P1994R1 US
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/533,520
 C--> 19 <141> CURRENT FILING DATE: 2005-04-28
 21 <150> PRIOR APPLICATION NUMBER: US 60/429,069
 22 <151> PRIOR FILING DATE: 2002-11-26
 24 <160> NUMBER OF SEQ ID NOS: 6621
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 568
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapien
 31 <400> SEQUENCE: 1
 32 gaaccgccccat cttccagtaa ttgcggaaaa tgacgaacac aaagggaaag 50
 34 aggagaggca cccgatataat gttctctagg ccttttagaa aacatggagt 100
 36 tttccctttg gccacatata tgcgaatcta taagaaagggt gatattttag 150
 38 acatcaaggg aatgggtact gttcaaaaag gaatgccccca caagtgttac 200
 40 catggccaaa ctggaaagagt ctacaatgtt acccagcatg ctgttggcat 250
 42 tgggttaaac aaacaagtta agggcaagat tcttgccaaag agaattaatg 300
 44 tgcgtattga gcacattaaag cactctaaga gccgagatag cttcctgaaa 350
 46 cgtgtgaagg aaaatgatca gaaaaagaaaa gaagccaaag agaaaggtagc 400
 48 ctgggttcaa ctaaagcgcc agcctgctcc acccagagaa gcacacttg 450
 50 tgagaaccaa tgggaaggag cctgagctgc tggAACCTAT tccctatgaa 500
 52 ttcatggcat aataggtgtt aaaaaaaaaaa ataaaggacc tctgggctac 550
 54 aaaaaaaaaaa aaaaaaaaa 568
 56 <210> SEQ ID NO: 2
 57 <211> LENGTH: 160
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapien
 61 <400> SEQUENCE: 2
 62 Met Thr Asn Thr Lys Gly Lys Arg Arg Gly Thr Arg Tyr Met Phe
 63 1 5 10 15
 65 Ser Arg Pro Phe Arg Lys His Gly Val Val Pro Leu Ala Thr Tyr
 66 20 25 30

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68 Met Arg Ile Tyr Lys Lys Gly Asp Ile Val Asp Ile Lys Gly Met
69 35 40 45
71 Gly Thr Val Gln Lys Gly Met Pro His Lys Cys Tyr His Gly Lys
72 50 55 60
74 Thr Gly Arg Val Tyr Asn Val Thr Gln His Ala Val Gly Ile Val
75 65 70 75
77 Val Asn Lys Gln Val Lys Gly Lys Ile Leu Ala Lys Arg Ile Asn
78 80 85 90
80 Val Arg Ile Glu His Ile Lys His Ser Lys Ser Arg Asp Ser Phe
81 95 100 105
83 Leu Lys Arg Val Lys Glu Asn Asp Gln Lys Lys Glu Ala Lys
84 110 115 120
86 Glu Lys Gly Thr Trp Val Gln Leu Lys Arg Gln Pro Ala Pro Pro
87 125 130 135
89 Arg Glu Ala His Phe Val Arg Thr Asn Gly Lys Glu Pro Glu Leu
90 140 145 150
92 Leu Glu Pro Ile Pro Tyr Glu Phe Met Ala
93 155 160
95 <210> SEQ ID NO: 3
96 <211> LENGTH: 2789
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapien
100 <400> SEQUENCE: 3
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103 ggtggctggg ctgcgcttgg gtcgcgtcgt gcttcggtgt ccctgtcggg 100
105 cttcccaagca gcggccttagc gggaaaaagta aaagatgtct gaatataattc 150
107 gggtaaccga agatgagaac gatgagccca ttgaaaatacc atcggaaagac 200
109 gatggggacgg tgctgctctc cacggttaca gcccagtttc caggggcgtg 250
111 tgggcttcgc tacaggaatc cagtgtctca gtgtatgaga ggtgtccggc 300
113 tggtagaagg aattctgcat gccccagatg ctggctgggg aaatctggtg 350
115 tatgttgtca actatccaaa agataacaaa agaaaaatgg atgagacaga 400
117 tgcttcatca gcagtgaaag tggaaaagagc agtccagaaa acatccgatt 450
119 taatagtgtt gggctccca tggaaaaacaa ccgaacagga cctgaaagag 500
121 tatttttagta ccttggaga agttctttagt gtgcaggtca agaaaagatct 550
123 taagacttgtt cattcaaagg ggtttggctt tgttcggtt acggaatatg 600
125 aaacacaagt gaaagtaatg tcacagcgac atatgataga tggacgatgg 650
127 tgtgactgca aacttcctaa ttctaaagcaa agccaagatg agcctttgag 700
129 aagcagaaaa gtgtttgtgg ggcgcgtgtac agaggacatg actgaggatg 750
131 agctgcggga gttcttctct cagtaggggg atgtgatggta tgtcttcatc 800
133 cccaaaggcat tcagggcctt tgcctttgtt acatttgcag atgatcagat 850
135 tgcgcagttt ctttgtggag aggacttgat cattaaagga atcagcgatc 900
137 atatatccaa tgccgaacct aagcacaata gcaatagaca gttagaaaaga 950
139 agtggaaagat ttgggtgttaa tccaggtggc tttgggaatc aggggtggatt 1000
141 tggtaatagc agaggggtg gagctggttt gggaaaacaat caaggttagta 1050
143 atatgggtgg tggatgaac tttgggtgcgt tcagcattaa tccagccatg 1100
145 atggctgcgg cccaggcagc actacagagc agtggggta tggatggcat 1150
147 gttagccagc cagcagaacc agtcaggccc atcgggtaat aaccaaaaacc 1200
149 aaggcaacat gcagagggag ccaaaccagg cttcggttc tggaaataac 1250
151 tcttataatgc gctctaattc tggtgagca attgggtggg gatcagcatc 1300

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153 caatgcaggg tcgggcagtg gtttaatgg aggcttggc tcaagcatgg 1350
 155 attctaagtc ttctggctgg ggaatgtaga cagtggggtt gtggttgggt 1400
 157 ggtatagaat ggtggaaatt caaattttc taaactcatg gtaagtatat 1450
 159 tgtaaaaatac atatgtacta agaattttca aaattggtt gtgcgtgtg 1500
 161 gagtatattc agcagtattt ttgacattt tcttagaaa aaggaagagc 1550
 163 taaaggaatt ttataagttt tgttacatga aaggtgaaa tattgagtgg 1600
 165 ttgaaagtga actgtgttt gcctgattgg taaaccaaca cactacaatt 1650
 167 gatataaaa ggtttctcct gtaatattt atccctggac ttgtcaagtg 1700
 169 aattcttgc atgtcaaaa cggaaaccat tgattagaac tacattctt 1750
 171 acccccttgtt ttaatttcaa cccccaccata tggattttt tccttaagaa 1800
 173 aatctccctt taggagatca tgggtgtcaca gtgtttgggt cttttgtttt 1850
 175 gtttttaac acttgtctcc cctcatacac aaaagtacaa tatgaagcct 1900
 177 tcatttaatc tctcagttc atctcattc aaatgtttt ggaagaagca 1950
 179 cttcattgaa agtagtgcgtg taaatattct gccataggaa tactgtctac 2000
 181 atgctttctc attcaagaat tcgtcatcac gcatcacagg ccgcgtcttt 2050
 183 gacgggtgggt gtcccatttt tatccgctac tctttatttc atggagtcgt 2100
 185 atcaacgccta tgaacgcag gctgtgatat ggaaccagaa ggctgtctga 2150
 187 acttttggaa ctttgtgtgg gattgatgtt ggtgccgagg catgaaaggc 2200
 189 tagtatgagc gagaaaagga gagagcgcgt gcagagactt ggtggtgcat 2250
 191 aatggatatt tttaacttg gcgagatgt tctctcaatc ctgtggcttt 2300
 193 ggtgagagag tgtgcagaga gcaatgatag caaataatgt acgaatgttt 2350
 195 tttgcattca aaggacatcc acatctgtt gaaactttt aagtgagttt 2400
 197 ttgttcttag ataacccaca ttagatgaat gtgttaagtg aaatgatact 2450
 199 tgtactcccc ctacccctt gtcaactgct gtgaatgctg tatggtgtgt 2500
 201 gttctcttct gttactgata tgaatgttg gcaatgtgaa ctgaagctga 2550
 203 tgggctgaga acatggactg agcttgtgtt gtgtttgca ggaggacttg 2600
 205 aagcagaggc caccagttag ctcagggtgc tcaaagaagg gtggaaagttc 2650
 207 taatgtctgt tagctaccca taagaatgtt gttgtctgca gttctgtgtc 2700
 209 ctgtgcttgg atgctttta taagagtgtt cattgttggaa aattcttaaa 2750
 211 taaaactgat ttaaataata aaaaaaaaaa aaaaaaaaaa 2789
 213 <210> SEQ ID NO: 4
 214 <211> LENGTH: 414
 215 <212> TYPE: PRT
 216 <213> ORGANISM: Homo sapien
 218 <400> SEQUENCE: 4
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 220 1 5 10 15
 222 Ile Glu Ile Pro Ser Glu Asp Asp Gly Thr Val Leu Leu Ser Thr
 223 20 25 30
 225 Val Thr Ala Gln Phe Pro Gly Ala Cys Gly Leu Arg Tyr Arg Asn
 226 35 40 45
 228 Pro Val Ser Gln Cys Met Arg Gly Val Arg Leu Val Glu Gly Ile
 229 50 55 60
 231 Leu His Ala Pro Asp Ala Gly Trp Gly Asn Leu Val Tyr Val Val
 232 65 70 75
 234 Asn Tyr Pro Lys Asp Asn Lys Arg Lys Met Asp Glu Thr Asp Ala
 235 80 85 90
 237 Ser Ser Ala Val Lys Val Lys Arg Ala Val Gln Lys Thr Ser Asp
 238 95 100 105

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240 Leu Ile Val Leu Gly Leu Pro Trp Lys Thr Thr Glu Gln Asp Leu
 241 110 115 120
 243 Lys Glu Tyr Phe Ser Thr Phe Gly Glu Val Leu Met Val Gln Val
 244 125 130 135
 246 Lys Lys Asp Leu Lys Thr Gly His Ser Lys Gly Phe Gly Phe Val
 247 140 145 150
 249 Arg Phe Thr Glu Tyr Glu Thr Gln Val Lys Val Met Ser Gln Arg
 250 155 160 165
 252 His Met Ile Asp Gly Arg Trp Cys Asp Cys Lys Leu Pro Asn Ser
 253 170 175 180
 255 Lys Gln Ser Gln Asp Glu Pro Leu Arg Ser Arg Lys Val Phe Val
 256 185 190 195
 258 Gly Arg Cys Thr Glu Asp Met Thr Glu Asp Glu Leu Arg Glu Phe
 259 200 205 210
 261 Phe Ser Gln Tyr Gly Asp Val Met Asp Val Phe Ile Pro Lys Pro
 262 215 220 225
 264 Phe Arg Ala Phe Ala Phe Val Thr Phe Ala Asp Asp Gln Ile Ala
 265 230 235 240
 267 Gln Ser Leu Cys Gly Glu Asp Leu Ile Ile Lys Gly Ile Ser Val
 268 245 250 255
 270 His Ile Ser Asn Ala Glu Pro Lys His Asn Ser Asn Arg Gln Leu
 271 260 265 270
 273 Glu Arg Ser Gly Arg Phe Gly Gly Asn Pro Gly Gly Phe Gly Asn
 274 275 280 285
 276 Gln Gly Gly Phe Gly Asn Ser Arg Gly Gly Gly Ala Gly Leu Gly
 277 290 295 300
 279 Asn Asn Gln Gly Ser Asn Met Gly Gly Gly Met Asn Phe Gly Ala
 280 305 310 315
 282 Phe Ser Ile Asn Pro Ala Met Met Ala Ala Ala Gln Ala Ala Leu
 283 320 325 330
 285 Gln Ser Ser Trp Gly Met Met Gly Met Leu Ala Ser Gln Gln Asn
 286 335 340 345
 288 Gln Ser Gly Pro Ser Gly Asn Asn Gln Asn Gln Gly Asn Met Gln
 289 350 355 360
 291 Arg Glu Pro Asn Gln Ala Phe Gly Ser Gly Asn Asn Ser Tyr Ser
 292 365 370 375
 294 Gly Ser Asn Ser Gly Ala Ala Ile Gly Trp Gly Ser Ala Ser Asn
 295 380 385 390
 297 Ala Gly Ser Gly Ser Gly Phe Asn Gly Gly Phe Gly Ser Ser Met
 298 395 400 405
 300 Asp Ser Lys Ser Ser Gly Trp Gly Met
 301 410
 303 <210> SEQ ID NO: 5
 304 <211> LENGTH: 725
 305 <212> TYPE: DNA
 306 <213> ORGANISM: Homo sapien
 308 <400> SEQUENCE: 5
 309 ggcggcgctt ggtctacgcc gagtgacaga gacgctcagg ctgtgttctc 50
 311 aggatgaccg agtgggagac agcagcacca gcggtggcag agacccca 100

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313 catcaagctc tttgggaagt ggagcaccga tcatgtgcag atcaatgaca 150
 315 tttccctgca ggattacatt gcagtgaagg agaagtatgc caagtacctg 200
 317 cctcacagt cagggcggta tgccgccaaa cgctccgca aagctcagt 250
 319 tcccattgtg gaggcctca ctaactccat gatgatgcac ggccgcaaca 300
 321 acggcaagaa gctcatgact gtgcgcac tcaagcatgc ctgcgagatc 350
 323 atacacacctc tcacaggcga gaaccctctg caggtcctgg tgaacgccc 400
 325 catcaacagt ggtccccggg aggactccac acgattggg cgccgggaa 450
 327 ctgtgagacg acagctgtg gatgtgtccc ccctgcgcgg tgtgaaccag 500
 329 gccatctggc tgctgtgcac aggcgcctgt gaggctgcct tccggaacat 550
 331 taagaccatt gctgagtgcc tggcagatga gctcatcaat gctgccaagg 600
 333 gctcctcgaa ctccatgcc attaagaaga aggacgagct ggagcgtgt 650
 335 gccaagtcca accgctgatt ttcggcagtg ctgcccata aacctgtctg 700
 337 cccttgggg cagttccagc caaaa 725
 339 <210> SEQ ID NO: 6
 340 <211> LENGTH: 204
 341 <212> TYPE: PRT
 342 <213> ORGANISM: Homo sapien
 344 <400> SEQUENCE: 6
 345 Met Thr Glu Trp Glu Thr Ala Ala Pro Ala Val Ala Glu Thr Pro
 346 1 5 10 15
 348 Asp Ile Lys Leu Phe Gly Lys Trp Ser Thr Asp Asp Val Gln Ile
 349 20 25 30
 351 Asn Asp Ile Ser Leu Gln Asp Tyr Ile Ala Val Lys Glu Lys Tyr
 352 35 40 45
 354 Ala Lys Tyr Leu Pro His Ser Ala Gly Arg Tyr Ala Ala Lys Arg
 355 50 55 60
 357 Phe Arg Lys Ala Gln Cys Pro Ile Val Glu Arg Leu Thr Asn Ser
 358 65 70 75
 360 Met Met Met His Gly Arg Asn Asn Gly Lys Lys Leu Met Thr Val
 361 80 85 90
 363 Arg Ile Val Lys His Ala Phe Glu Ile Ile His Leu Leu Thr Gly
 364 95 100 105
 366 Glu Asn Pro Leu Gln Val Leu Val Asn Ala Ile Ile Asn Ser Gly
 367 110 115 120
 369 Pro Arg Glu Asp Ser Thr Arg Ile Gly Arg Ala Gly Thr Val Arg
 370 125 130 135
 372 Arg Gln Ala Val Asp Val Ser Pro Leu Arg Arg Val Asn Gln Ala
 373 140 145 150
 375 Ile Trp Leu Leu Cys Thr Gly Ala Arg Glu Ala Ala Phe Arg Asn
 376 155 160 165
 378 Ile Lys Thr Ile Ala Glu Cys Leu Ala Asp Glu Leu Ile Asn Ala
 379 170 175 180
 381 Ala Lys Gly Ser Ser Asn Ser Tyr Ala Ile Lys Lys Lys Asp Glu
 382 185 190 195
 384 Leu Glu Arg Val Ala Lys Ser Asn Arg
 385 200
 387 <210> SEQ ID NO: 7
 388 <211> LENGTH: 513
 389 <212> TYPE: DNA

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#: 79; N Pos. 7758,7759,7760,7761,7762,7763,7764,7765,7766,7767,7768,7769
Seq#: 79; N Pos. 7770,7771,7772,7773,7774,7775,7776
Seq#: 81; N Pos. 33,34,136,154,317
Seq#: 106; N Pos. 541
Seq#: 213; N Pos. 1986
Seq#: 275; Xaa Pos. 60
Seq#: 305; N Pos. 26,68,80,107,1762
Seq#: 329; N Pos. 1205
Seq#: 355; Xaa Pos. 13
Seq#: 384; N Pos. 23,27,80,120
Seq#: 417; N Pos. 95,99,108
Seq#: 437; N Pos. 515,521,522,523,524,525,526,527,528,529,530,531,532,533
Seq#: 437; N Pos. 534,535,536,537,538,539,540,541,542,543,544,545,546,547
Seq#: 437; N Pos. 548,549,550,551,552,553
Seq#: 438; Xaa Pos. 61,63,64,65,66,67,68,69,70,71,72,73,74
Seq#: 583; N Pos. 22
Seq#: 593; N Pos. 4356,4371,4405
Seq#: 669; N Pos. 169,170,171,172,173,174,175,176,177,178,179,180,181,182
Seq#: 669; N Pos. 183,184,185,186,187,188,189,190,191,192
Seq#: 765; N Pos. 2368
Seq#: 816; N Pos. 3317
Seq#: 834; N Pos. 4245,4246,4247,4248,4249,4250,4251,4252,4253,4254,4255
Seq#: 834; N Pos. 4256,4257,4258,4259,4260,4261,4262,4263,4264,4265,4266
Seq#: 834; N Pos. 4267,4268,4269,4270,4271,4272,4273,4274,4275,4276,4277
Seq#: 834; N Pos. 4278,4279
Seq#: 1061; N Pos. 1683
Seq#: 1077; N Pos. 1903
Seq#: 1104; N Pos. 11967,12008,12013
Seq#: 1182; N Pos. 844
Seq#: 1183; Xaa Pos. 160,253
Seq#: 1348; N Pos. 4178,4211,4223,4229,4255,4261,4293,4377,4380,4498,4526
Seq#: 1374; N Pos. 6154,6155,6156,6157,6158,6159,6160,6161,6162,6163,6164
Seq#: 1374; N Pos. 6165,6166,6167,6168,6169,6170,6171,6172,6173,6174,6175
Seq#: 1374; N Pos. 6176,6177,6178,6179,6180,6181,6182,6183,6184,6185,6186
Seq#: 1374; N Pos. 6187,6188,6189,6190,6191,6192,6193,6194,6195,6196,6197
Seq#: 1374; N Pos. 6198,6199,6200,6201,6202,6203,6204,6205,6206,6207,6208
Seq#: 1374; N Pos. 6209,6210,6211,6212,6213,6214,6215,6216
Seq#: 1484; N Pos. 813,817,822
Seq#: 1532; N Pos. 25
Seq#: 1952; N Pos. 1981
Seq#: 2047; Xaa Pos. 33
Seq#: 2111; N Pos. 3879,3880
Seq#: 2116; N Pos. 230,231,232,233,234,235,236,237,238,239,240,241,242,243
Seq#: 2116; N Pos. 244,245,246,247,248,249,250,251,252,253,254,255,256,257

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Seq#:2116; N Pos. 258,259,260,261,262,263,264,265,266,267,268,269,270,271
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Seq#:2116; N Pos. 286,287,288,289,290,291,292,293,294,295,296,297,298,299
Seq#:2116; N Pos. 300,301,302,303,304,305,306,307,308,309,310,311,312,313
Seq#:2116; N Pos. 314,315,316,317,318,319,320,1706,1707,1708,1709,1710,1711
Seq#:2116; N Pos. 1712,1713,1714,1715,1716,1717,1718,1719,1720,1721,1722
Seq#:2116; N Pos. 1723,1724,1725,1726,1727,1728,1729,1730,1731,1732,1733

VERIFICATION SUMMARY

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number
 L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:8925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:7750
 L:9459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
 M:341 Repeated in SeqNo=81
 L:11744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:500
 L:22903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:1950
 L:28888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:45
 L:32192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305 after pos.:0
 M:341 Repeated in SeqNo=305
 L:35087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:329 after pos.:1200
 L:37126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:0
 L:40189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0
 M:341 Repeated in SeqNo=384
 L:43049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:50
 M:341 Repeated in SeqNo=417
 L:46005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:437 after pos.:500
 M:341 Repeated in SeqNo=437
 L:46136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:438 after pos.:60
 L:61642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:583 after pos.:0
 L:62686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:593 after pos.:4350
 M:341 Repeated in SeqNo=593
 L:71200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:669 after pos.:150
 L:82169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:765 after pos.:2350
 L:88775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:816 after pos.:3300
 L:91724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:834 after pos.:4200
 M:341 Repeated in SeqNo=834
 L:116252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1061 after pos.:1650
 L:117387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1077 after pos.:1900
 L:121798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1104 after pos.:11950
 M:341 Repeated in SeqNo=1104
 L:132779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1182 after pos.:800
 L:132927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1183 after pos.:150
 M:341 Repeated in SeqNo=1183
 L:149566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1348 after pos.:4150
 M:341 Repeated in SeqNo=1348
 L:152975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1374 after pos.:6150
 M:341 Repeated in SeqNo=1374
 L:168013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1484 after pos.:800
 L:173134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1532 after pos.:0
 L:217533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1952 after pos.:1950
 L:233538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2047 after pos.:30
 L:241153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2111 after pos.:3850
 L:241632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2116 after pos.:200
 M:341 Repeated in SeqNo=2116
 L:241885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2117 after pos.:75
 M:341 Repeated in SeqNo=2117
 L:244613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2144 after pos.:700

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Output Set: N:\CRF4\07052006\J533520.raw

L:251331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2203 after pos.:2500

L:251549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2205 after pos.:1950

L:253301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2221 after pos.:3250

L:258244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2272 after pos.:1900